

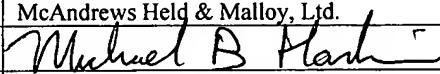
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 OPIE TRANSMITTAL FORM JUL 10 2006 <small>(to receive all correspondence after initial filing)</small>		Application Number	10/731,300
		Filing Date	December 8, 2003
		First Named Inventor	Jesse R. Miller
		Art Unit	2882
		Examiner Name	John M. Corbett
Total Number of Pages in This Submission	6	Attorney Docket Number	1723-14140US02

ENCLOSURES (check all that apply)

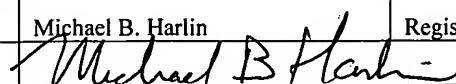
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input checked="" type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input checked="" type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Return-Receipt Postcard
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Request for Refund	<input type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> CD Number of CD(s) _____	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Landscape Table on CD	
<input type="checkbox"/> Reply to Missing Parts/ Incomplete Application	Remarks	
<input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm	McAndrews Held & Malloy, Ltd.		
Signature			
Printed Name	Michael B. Harlin, Reg. No. 43,658		
Date	July 5, 2006		

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Mail Stop AF, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on July 5, 2006

Name (Print/type)	Michael B. Harlin	Registration No. (Attorney/Agent)	43,658
Signature		Date	July 5, 2006



AF
TRU

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
(Our Case No. 1723-14140US02)**

In the Application of:

Jesse R. Miller, et al.

Serial No.: 10/731,300

Filing Date: December 8, 2003

Examiner: John M. Corbett

Group Art Unit: 2882

For: METHOD AND APPARATUS
FOR X-RAY DIFFRACTION
ANALYSIS

CERTIFICATE OF MAILING

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By:

**Michael B. Harlin
Reg. No. 43,658**

RESPONSE TO FINAL OFFICE ACTION

Mail Stop AF
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Applicants submit this Response to the final Office Action dated May 5, 2006 and request reconsideration of the application. This response is being filed within two months of the mailing date of the final Office Action. Applicants request reconsideration based on the following remarks.

Remarks begin on page 2 of this paper.